

TECHNICAL DATA SHEET

Product: Alreflex Ultratherm
Issue Number: 010
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Product Information

Description

Alreflex Ultratherm is a rigid, polyisocyanurate (PIR) foam board; laminated with a single layer of Alreflex 1L1 polythene bubble sheet, faced with low-emissive aluminium foil protected by a thin NC coating. Alreflex Ultratherm incorporates unique, lapped joints to prevent rain ingress.

Application

For use in walls as a partial-fill cavity wall insulation and cavity rain barrier (*BBA Certificate No. 93/2861*).

Appearance & Packaging

Supplied in boards, stock sizes (*other sizes available on request*):

Board Size : 0.45m x 1.2m

Physical Properties

Standard Thickness : 50mm, 75mm & 100mm (*other sizes available on request*)

Density : 30 kg/m³ (*BS EN 13163*)

Compressive Strength : 120 kPa (@ 10% compression) (*BS EN 826*)

Water Vapour Resistance of bubble/foil : 150MN · s/g (*BBA Certificate No. 93/2861*)

Water Vapour Resistance of PIR : 100MN · s/g (*BBA Certificate No. 93/2861*)

Thermal Performance

Foil Emissivity	: 0.05	(BBA Certificate No. 93/2861)
Resistance of (min) 20mm residual cavity	: $0.67\text{m}^2 \cdot \text{K/W}$	(BBA Certificate No. 93/2861)
Resistance of bubble/foil	: $0.10\text{m}^2 \cdot \text{K/W}$	(BBA Certificate No. 93/2861)
Thermal Conductivity of PIR (λ)	: $0.022 \text{ W/m} \cdot \text{K}$	(BS EN 13163)

Environmental Data

BRE Green Guide Rating	: A+
Global Warming Potential	: < 5
Ozone Depletion Potential	: 0